

FIGURE 1

Parameters for Tilted Helical coils  
(Coils are shown separately rather than combined.)

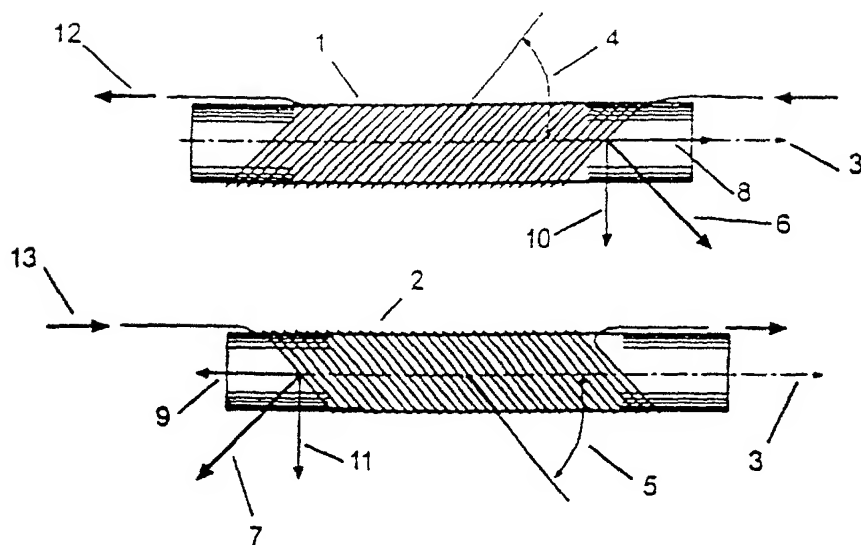
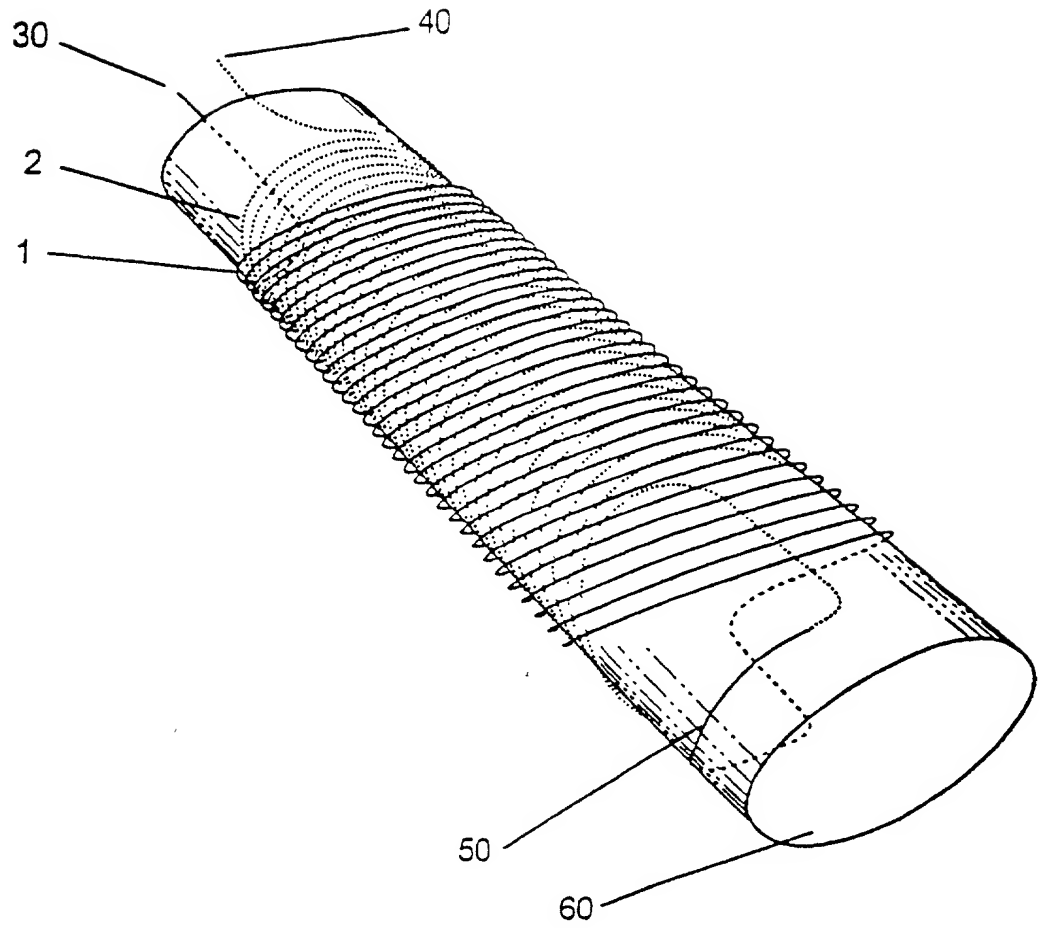


FIGURE 2



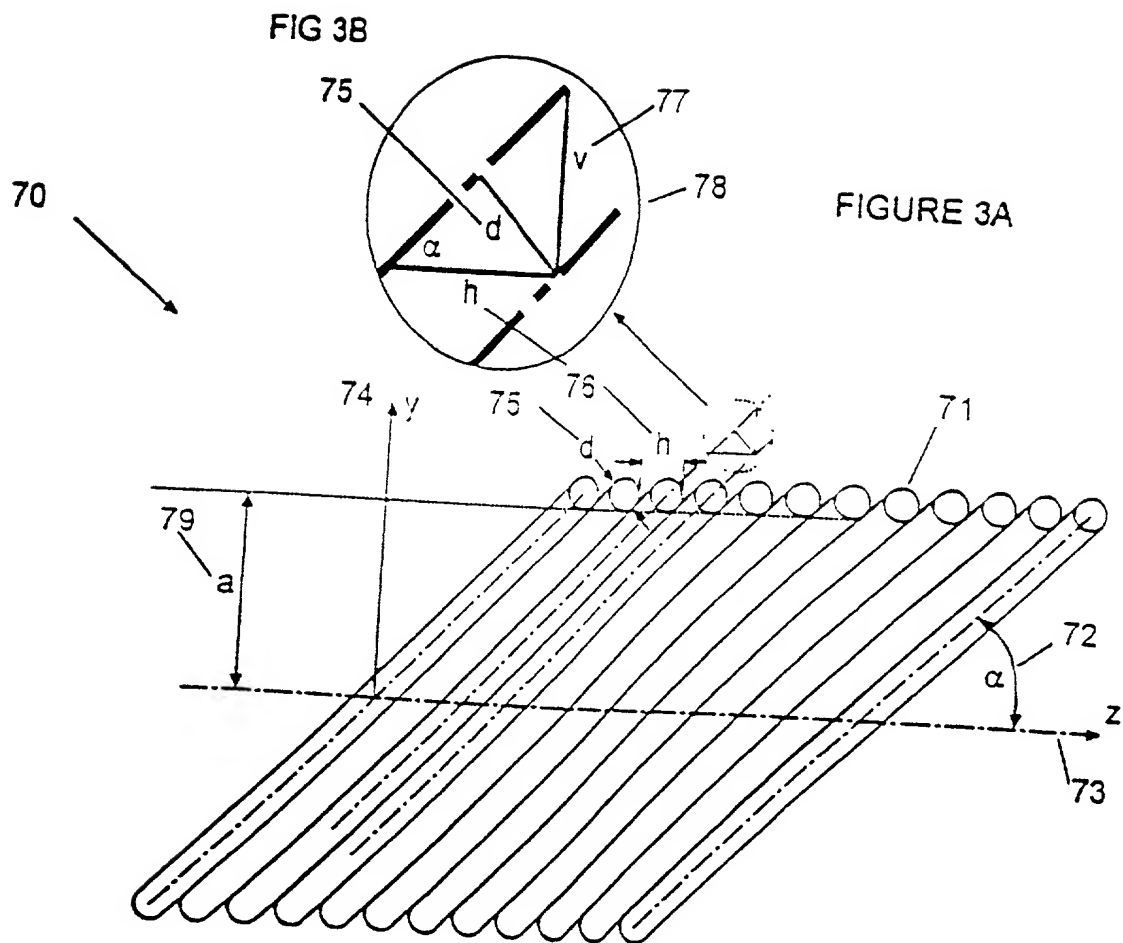


Figure 4

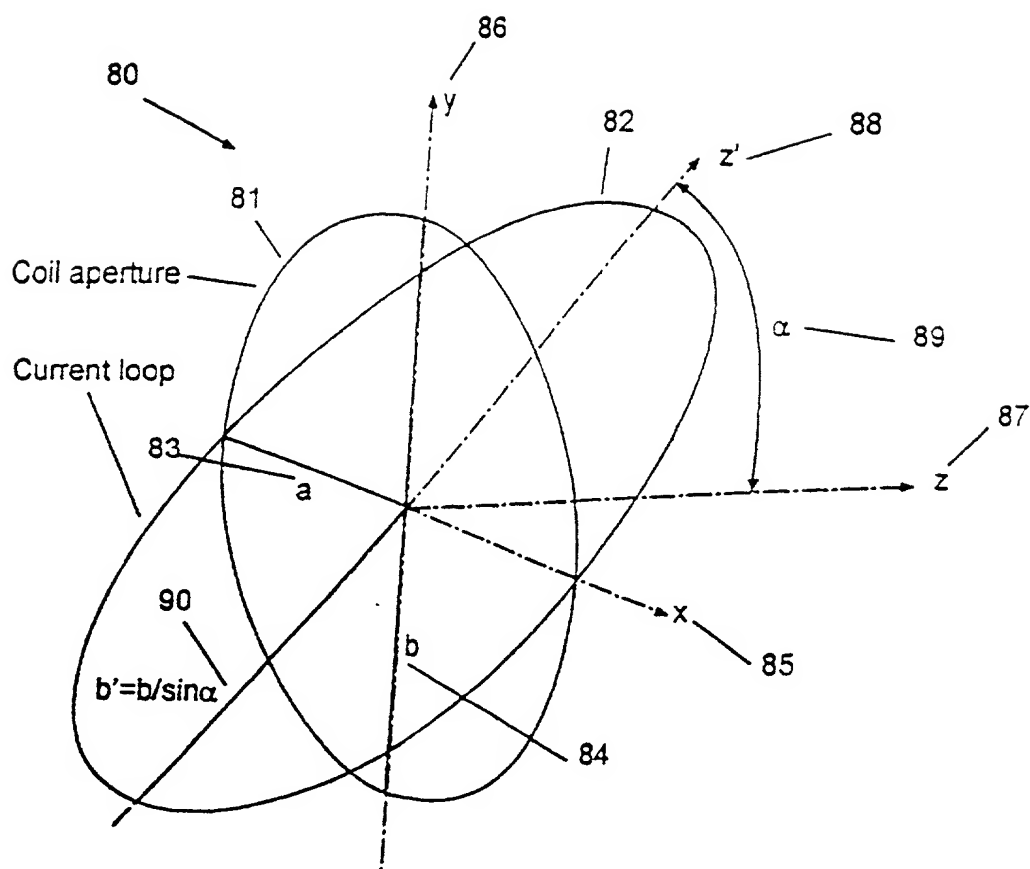
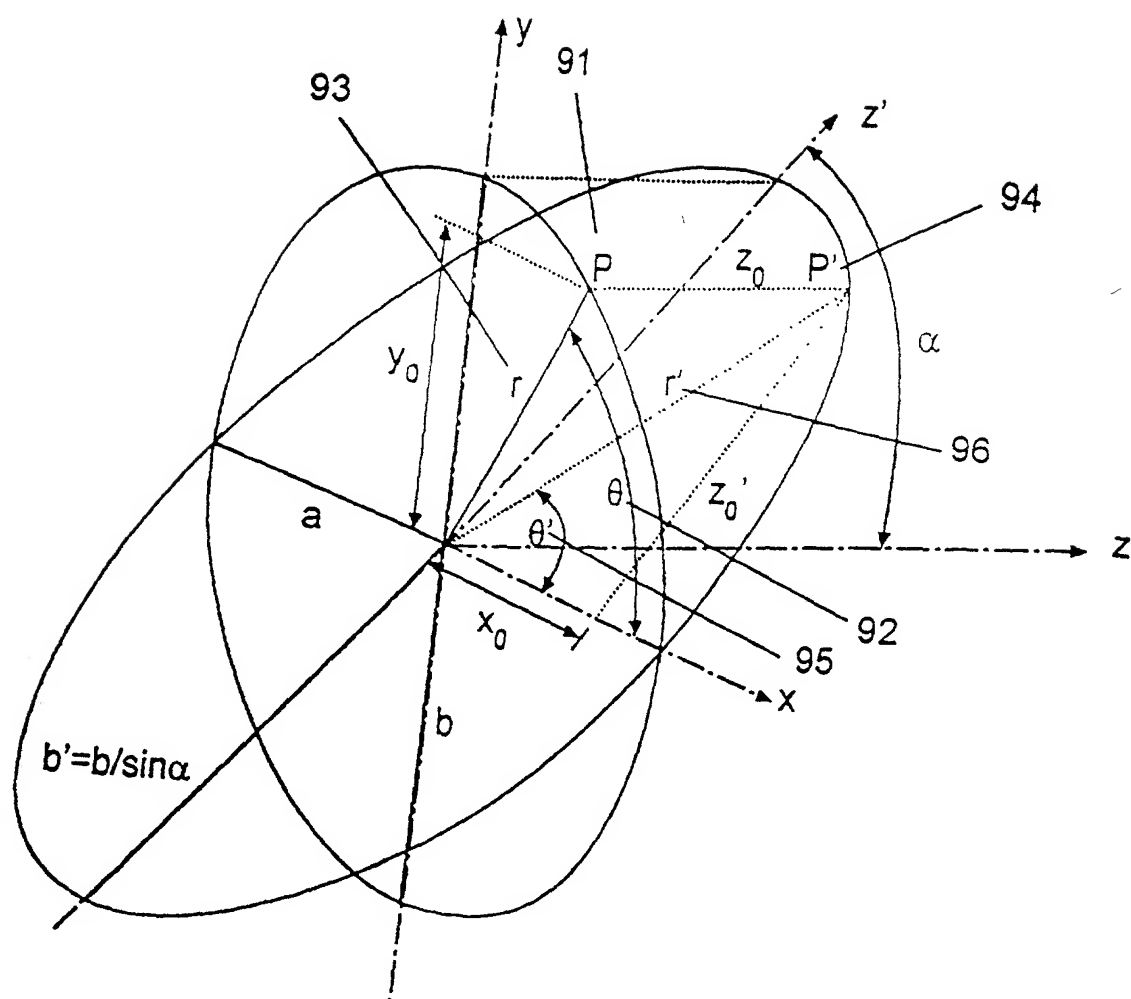
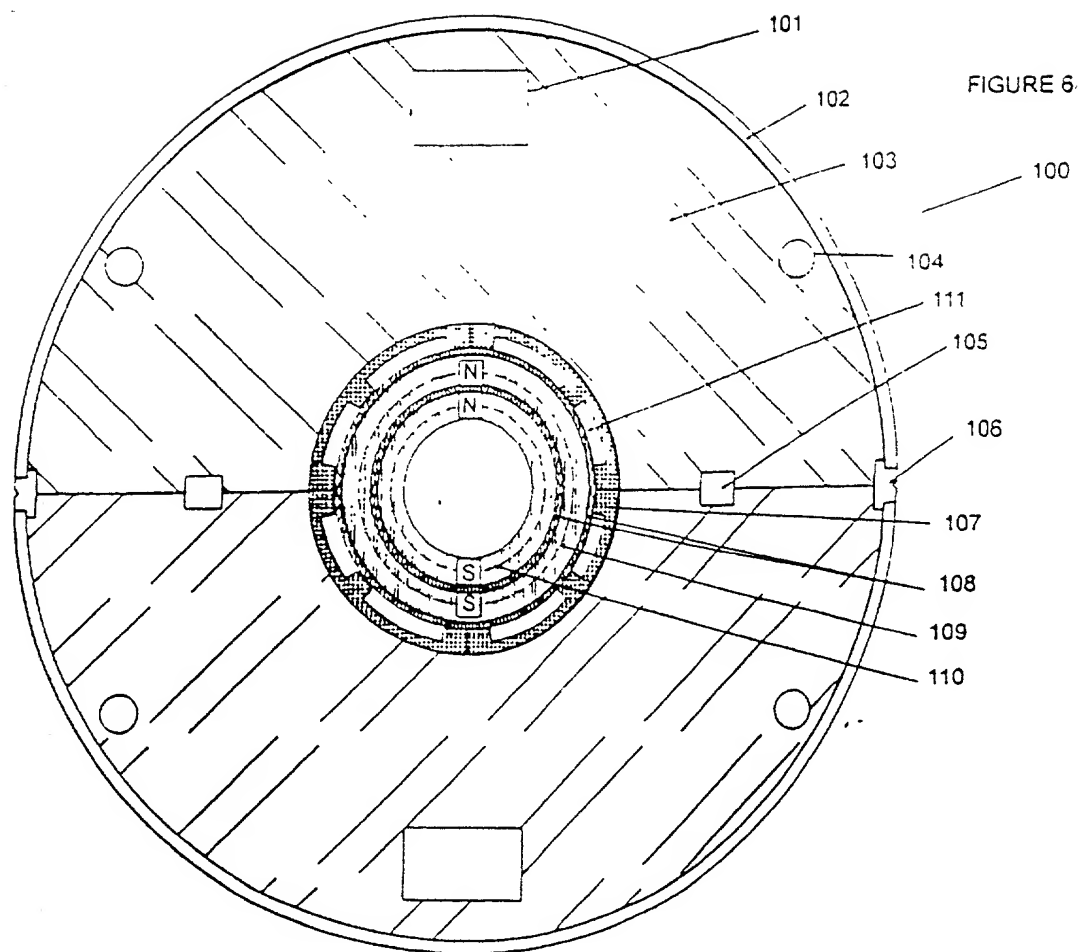


Figure 5



Patented by the U.S. Patent and Trademark Office



ACCELERATOR MAGNET EXAMPLE EMBODIMENT  
OF DOUBLE-HELIX DIPOLES

FIGURE 7. TYPICAL ARRANGEMENT OF DOUBLE-HELIX DIPOLE  
FOR MHD PROPULSION MAGNET

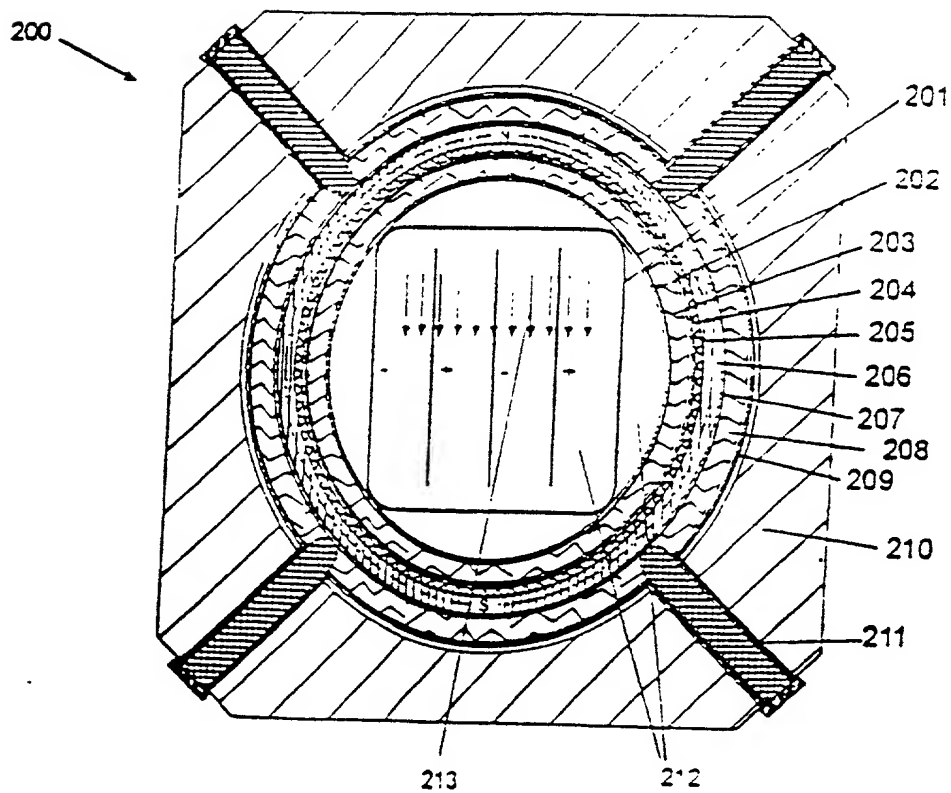
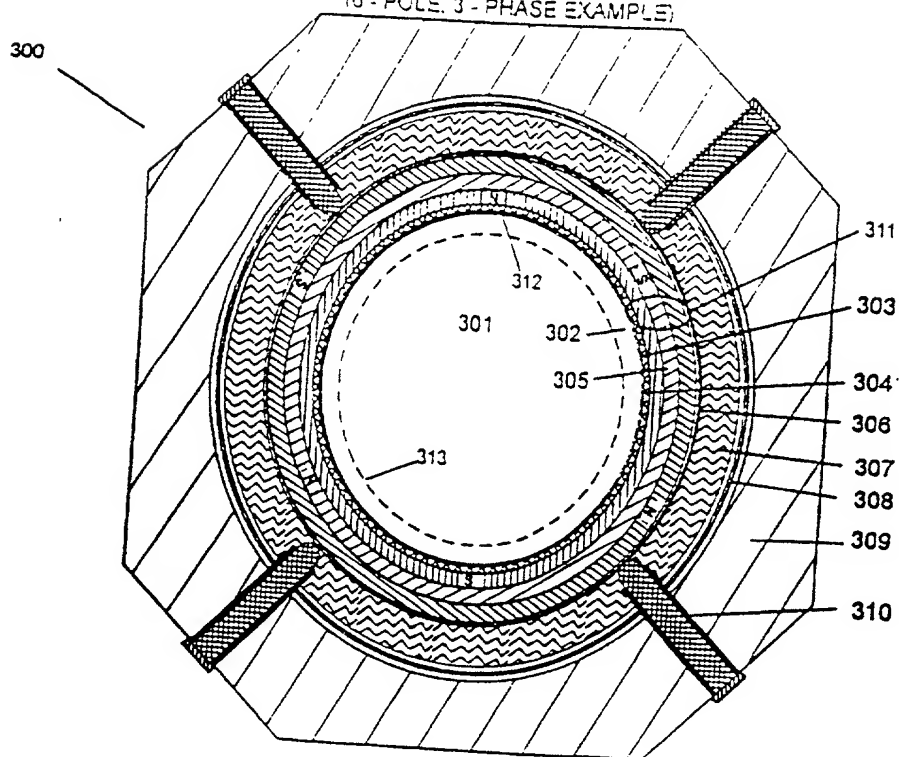


Figure 8

FIGURE 3 - EMBODIMENT OF DOUBLE-HELIX DIPOLES IN A  
SUPERCONDUCTING MOTOR STATOR  
(6 - POLE, 3 - PHASE EXAMPLE)





1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

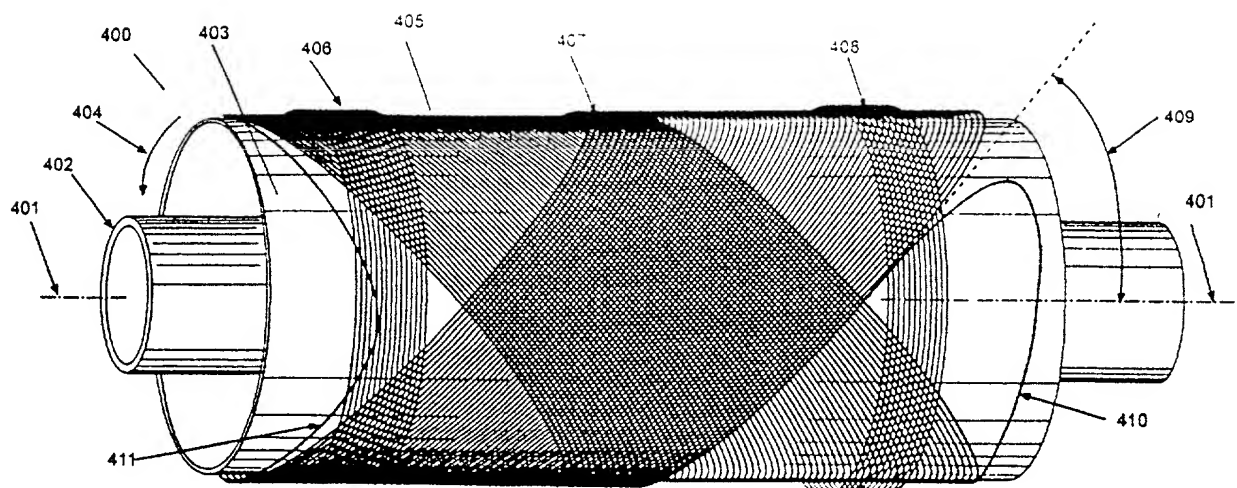


FIG. 10

ROUND MULTI-STRAND  
CABLE

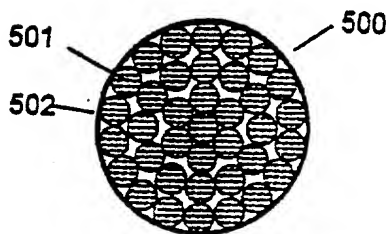


FIG. 11

ROUND CABLE-IN-CONDUIT  
CONDUCTOR

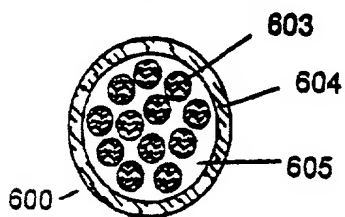
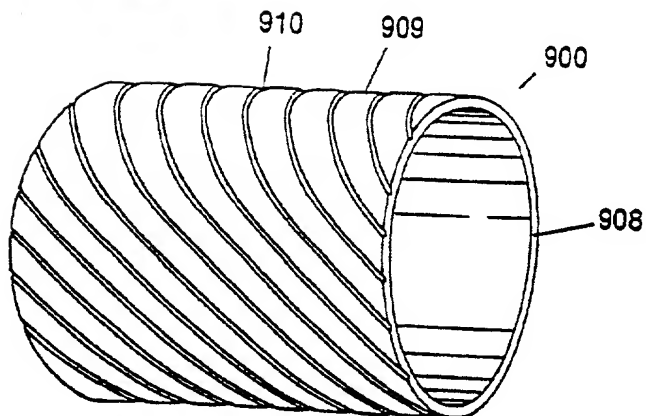
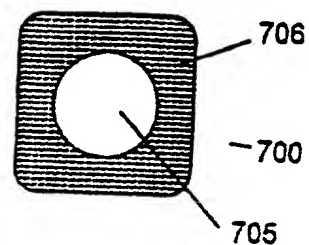


FIG. 12

CABLE-IN-CONDUIT  
CONDUCTOR



GROOVES MACHINED IN CONDUCTIVE LAYER  
FIG. 14

SOLID CONDUCTOR

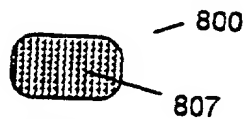


FIG. 13

Figure 16

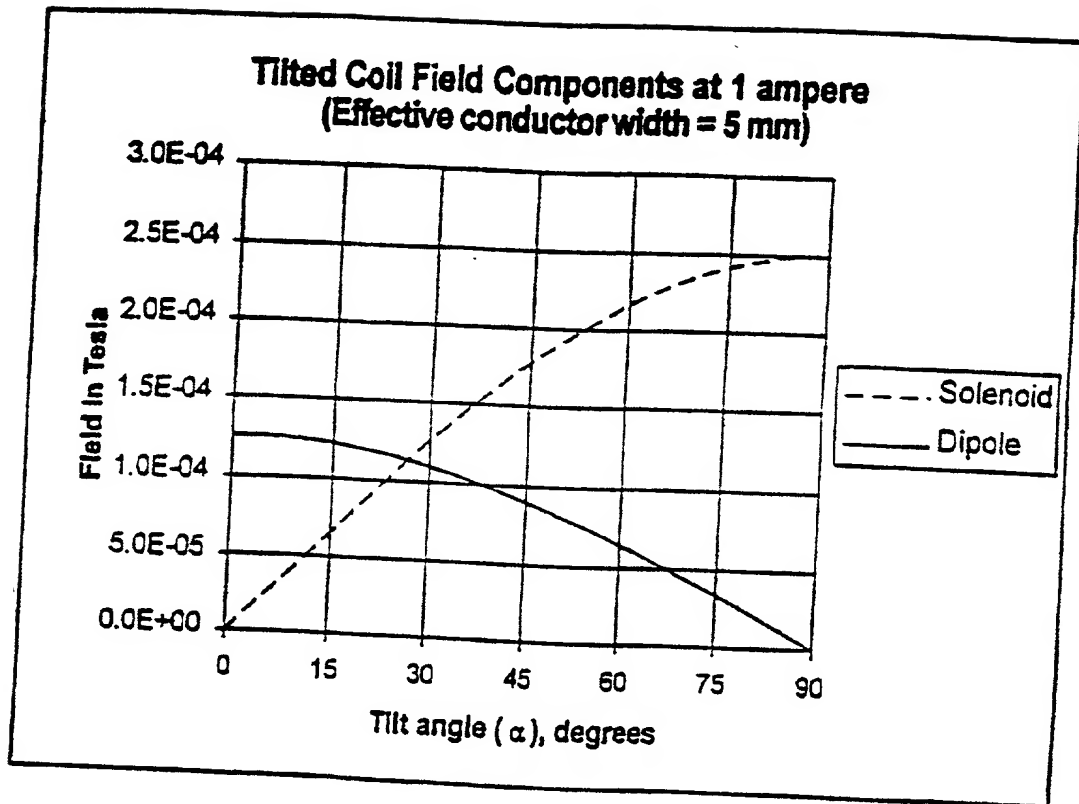


Figure 15

